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Proposed Maximum Residue Limit PMRL2016-01

Fenpyroximate

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade fenpyroximate and the end-use product Fenpyroximate 5SC Miticide/Insecticide for use in Canada on fruiting vegetables (Crop Group 8-09) and cucumbers that are grown in greenhouses.

The evaluation of these fenpyroximate applications indicated that the end-use product has value, and the human health and environmental risks associated with their proposed uses are acceptable. Details regarding these applications can be found in Proposed Registration Decision PRD2016-01, *Fenpyroximate*, posted to the Health Canada website on 25 January 2016.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally specified as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for fenpyroximate is being conducted via PRD2016-01. Information regarding the proposed MRLs can be found in Sections 3.5 and 7.1. Supporting field trial residue data are provided in Appendix I, Table 4. The PMRA invites the public to submit written comments on the proposed MRLs for fenpyroximate in accordance with the guidance found in PRD2016-01.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by Canada's Notification Authority and Enquiry Point.

The proposed MRLs for fenpyroximate are as follows.

Table 1 Proposed Maximum Residue Limits for Fenpyroximate

Common Name	Residue Definition	MRL (ppm)[1]	Food Commodity
Fenpyroximate	1,1-dimethylethyl 4-[[[(*E*)-[(1,3-dimethyl-5-phenoxy-1*H*-pyrazol-4-yl)methylene]amino]oxy]methyl]benzoate, including the isomer 1,1-dimethylethyl 4-[[[(*Z*)-[(1,3-dimethyl-5-phenoxy-1*H*-pyrazol-4-yl)methylene]amino]oxy]methyl]benzoate	0.4	Cucumbers
		0.2	Fruiting vegetables (Crop Group 8-09)

[1] ppm = parts per million

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

MRLs established in Canada may be found using the Maximum Residue Limit Database on the Maximum Residue Limits for Pesticides webpage. The database allows users to search for established MRLs, regulated under the *Pest Control Products Act*, both for pesticides or for food commodities.

International Situation and Trade Implications

The MRL proposed for fenpyroximate in/on fruiting vegetables in Canada is the same as corresponding American tolerance and Codex MRL.[1] The MRL proposed on cucumbers in Canada is the same as corresponding American tolerance, but not the same as the corresponding Codex MRL.

American tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. A listing of established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website, by commodity or pesticide.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs (where different)

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Cucumbers	0.4	0.4	0.3

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for fenpyroximate up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs. Comments received will be addressed in a separate document linked to this PMRL. The established MRLs will be legally in effect as of the date that they are entered into the Maximum Residue Limit Database.

[1] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.